Karen Smith

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SKILLS

Programming: Python **Linux**: Linux environments, comfortable using terminal for system monitoring

Tools & Libraries: Pandas, Jupyter Notebooks, Spark/PySpark.

EXPERIENCE

ABC Security Solutions, Boston MA- *QA Intern*

January 2023 - PRESENT

- Assisted in the automation of various testing tasks including regression testing for new features and input data quality monitoring.
- Developed and executed test cases, focused on validating results, and worked closely with the development team to ensure timely bug fixes.
- Utilized **Jupyter Notebooks** to analyze and visualize results, providing insights into system health.

Northeastern University, Boston MA- *Data Analytics Teaching Assistant*

July 2022 - December 2022

- Assisted in teaching students **Python**, data analysis with **Pandas**, and data visualization techniques.
- Helped students debug and troubleshoot their projects, ensuring they understood the concepts of quality assurance and testing for data-driven applications.

EDUCATION

Northeastern University, Boston MA- *Bachelor of Science in Computer Science*

Expected Graduation: May 2027

Relevant Coursework: Data Structures, Python Programming, Data Analytics, Software Testing, Machine Learning, Operating Systems

Projects

- **Automated Test Suite for Data Validation:** Developed an automated testing suite in **Python** using **Pandas** to validate data input into a large-scale mobility analytics system.
- **Data Health Monitoring System:** Designed a **Python**-based tool to monitor and flag data inconsistencies or abnormalities in real-time datasets.